

Commonwealth of Virginia Data Management Program



Status Update

Quarterly Data Owners & Stakeholders Meeting

April 14, 2009

Agenda



- Status on Data Standardization Efforts
- Status on Policy, Infrastructure, and Organization
- Enterprise Data Management – Other Activities
- Short Term and Long Term Deliverables

Projects Supporting Data Standards



Project	Status	VEAP Partners	Data
Business One Stop Phase II	Active Defining Data Requirements	SCC (State Corporation Commission) DBA (Business Assistance) Tax VEC (VA Employment Commission) DGS (General Services) DMBE (Minority Business)	Business data Business Certification data
VDOT/Enterprise Financial System	Active DGS conducting data model reviews	VDOT (Transportation) DOA (Accounts) DGS (General Services) DHRM (Human Resources) DPB (Planning & Budget) TRS (Treasury)	Chart of Accounts Financial data Vendor and Purchase Order Employee and Time/Attendance Budget data
DMV – CSI System Redesign	Active 3/20 initial meeting	DMV (Motor Vehicles) Tax* DSS* (Social Services)	Citizen data Other categories TBD in April 2009 as project begins
Performance Budgeting System	Resources to be assigned	DPB	Budget data

*VEAP will be requesting Data Owner and Data Steward involvement from these agencies

Status – Data Standardization Work



<u>Data Standards Package</u>	<u>Adoption Goal</u>	<u>Work Group Members</u>
Vendor	July 2009	DGS, DOA, TAX, VITA SCM
Procurement	September 2009	DGS, DOA, VITA SCM
Employee	September 2009	DHRM, DOA, HR agency reps
Chart of Accounts	December 2009	DOA, DPB, VDOT, Finance agency reps

Other Data Management Work Tracks



■ Policies and Procedures

- Data Standardization Process
 - Working on incorporating final round of feedback from Data Owners and Stewards. We will finalize release one by the end of April.

■ Infrastructure

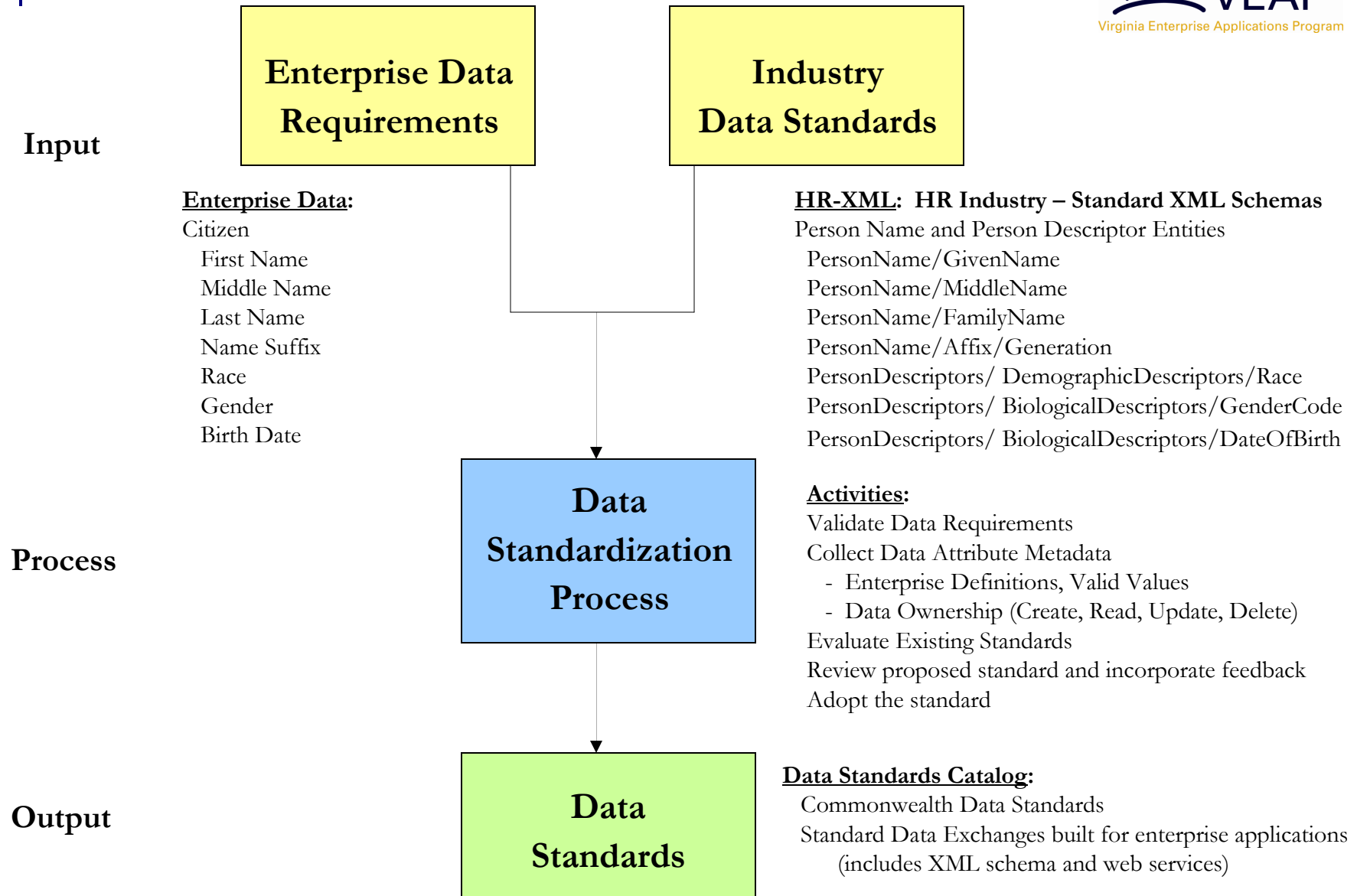
- Drafted requirements for a data modeling tool
- Investigating the procurement process for this category of software
- Preparing questions for technical reviews with vendors

■ Organization

- Determining how VEAP will staff the data management team
 - Need data architects, data modelers/analysts to establish a more robust infrastructure and work with the business to define data standards

Staffing the data management team and creating a work environment (infrastructure) are on the critical path for defining data standards

Example – Developing a data standard



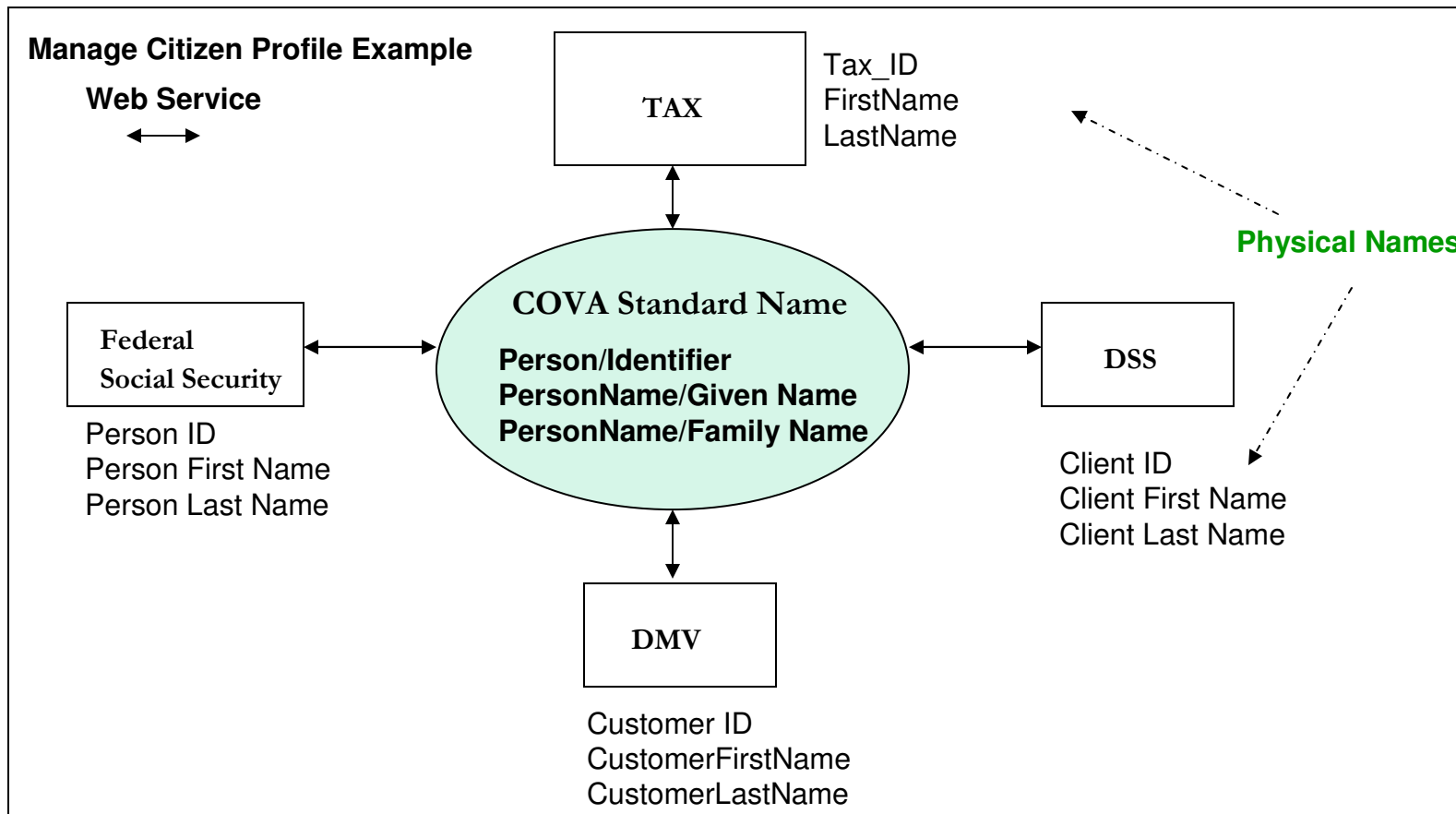
Implementing Data Standards



- Manage standard identifiers (e.g. Person or Citizen ID, Employee ID)
- Either store the standard identifier in your system or build a cross reference structure to cross walk to the standard identifier
- Develop a standard data exchange (web service) to share data
- Physical data names, on existing agency systems, will not be required to change and COTS solutions will not be required to customize
- We want to remain independent from proprietary data stores. Data standards will be used for all new data exchanges and home grown data stores.

It is critical for us to define authoritative systems of record and management around creating and updating enterprise data.

Standard Data Exchanges



Data standards must be grounded on business drivers.
Is it our vision to have a 360 view of the citizen?

If yes, we must define the enterprise data and exchange process to manage it.

Data Entity and Attribute Levels

Data Entity Level

Fund

A fund is an independent fiscal and accounting entity with a self-balancing set of accounts recording assets, liabilities, fund balances and operating accounts. A fund classifies data according to fiscal entities necessary to comply with legal requirements and GAAP. The General Assembly appropriates according to funds.

Information Collected

- Standard Definition
- Data Owner
- Relationships with other Data Entities

Data Attribute Level

Fund Code
Fund Name
Appropriation Fund Type Code
CAFR Fund Type Code
Government Wide Fund Type Code

Information Collected

- Definition
- Data Type and Size
- Valid Values
- Data Owner
- Authoritative Source (System of Record)
- Authoritative Reference (Justification for data Collection)
- CRUD – create, read, update, delete controls

Enterprise Data Management – Other Activities



- **Opportunity to develop a Commonwealth Data Strategy**
 - Vision, Goals, Objectives and Strategies for managing data
 - IT Investment Management Customer Council members identified volunteers to participate in a cross-functional work group to develop the data strategy
 - Meeting weekly and reporting monthly to the ITIM Customer Council

- **Opportunity for bringing Statewide Education and Workforce Data Together**
 - ARRA funds for the Commonwealth to collaborate on bringing education and workforce data together
 - Agencies partnering on preparing this grant - DOE, SCHEV, VCCS and VEC

- **SB936 - provide a searchable database**
 - DGS, VITA and DOA providing data to the APA for inclusion on Data Point

Short Term Deliverables



- Deliverables and timeframes presented here are dependent upon the immediate allocation of resources to the team.

■ In the next 3 months (by July 2009)

Data Standards

- Data standard and data exchange defined for Supplier (attribute level)
- Data standard for chart of accounts (entity level)
- Data standard and data exchange defined for business and certification data (attribute level)

Strategic Planning

- Commonwealth Data Strategy ready to review with business and IT leadership

Short Term Deliverables

■ In the next 6 months (by September 2009)

Data Standards

- Data Standard and exchange defined for Purchase Order (attribute level)
- Data Standard and Data Exchange defined for employee profile (attribute level)

Strategic Planning

- Submit ITIB approval for Commonwealth Data Strategy/ Data Governance

Infrastructure – dependent upon procurement process

- A full functioning data modeling infrastructure
 - Selection and implementation of a data modeling toolset
 - Processes, procedures and templates to support data modeling activities
 - Standards to support data modeling – data naming standards
- Web-site to publish adopted data standards, data strategy, best practices and efforts underway

Organization

- COVA staffed enterprise data management team

Long Term Deliverables

■ In the next 9 months (By December 2009)

Data Standards

- Data standards for chart of accounts (attribute level)
- Data standards for financial data to be interfaced (attribute level)
- Data standards for budget data to be interfaced (attribute level)
- Data standards and data exchange for employee time card data (attribute level)

■ Beyond year end

Data Standards

- Data Standardization work with major projects continues throughout 2010
DMV, DSS, VEC, etc.

Strategic Planning

- Begin implementation of Data Strategy/Data Governance
- Commonwealth Metadata Management